

## Figure 1

Hou c6/#1



CGGAGTTACAAGAGGCTACCAAAGAATTCCAGATTAAAGAGGATATTCCTGAAACAAAGATGAAA
TTCTTATCAGTTGAAACTCCTGANAATGACAGCCAGTTGTCAAATATCTCCTGTTCGTTTCAAGG
TGAGCTCGAAAGTTCCTTATGAGATACAAAAAGGACAATGCACTTATCACCTTTGAAAAAGGAAG
AAGTTGCTCAAAATGTGNGTAANGCATGAGTAAACATCATGTACAGATAATAAGATGTAAATCTG
GAGGTTACGGCCAAAGCCAAGTTCCATTAATATTCAAGGAGTCANGATTCCAGNGTTTATGCTAG
AANGTTTCTAAAAATGANAATCAATGGTTACTGGAAATTCCTGGACACATTGCGNTGAAAGATCA
AGATGACGAAGACAAACTAAGAAGCTGAGCTTTTCAAAAGTCCCGAAANATGGAAGAGCGGTAGA
GGGTGGNACCGCGTGNGANCTATGACAAGACCAGGCGGGGAAGNTGCAGTCCATCACGTTTGTN
NGAAGATTGGANGTNGGCTGACCAANGAATTTTGAAAAAGGAGAAGATTACCCCTCTTTANGAG
TAANATCAAAACCCTGCCATAANAAGTTNACTGGTTTCNCCCATTACACAGNAN
TTACANNTTGANCAANANTANNCAGGATAATTTNCAGGGGAANAATCTNAAGNATGGCAAGNTGA
CTTCTGGACAANGGT (SEQ ID NO:5)

## Figure 2

Hou c17/#2

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c6/#1 Hou/Mmi	1	HEGRGIMEADKDDTQQILKEHSPDEFIKDEQNKGLIDEITKKNIQLKKEIQKLETELQEA MEADKDDTQQILKEHSPDEFIKDEQNKGLIDEITKKNIQLKKEIQKLETELQEA
c6/#1 Hou/Nmi	61 55	TKEFQIKEDIPETKMKFLSVETPENDSQLSNISCSFQVSSKVPYEIQKGQALITFEKEEV TKEFQIKEDIPETKMKFLSVETPENDSQLSNISCSFQVSSKVPYEIQKGQALITFEKEEV
c6/#1 Hou/Nmi	121 115	AQNVVSMSKHHVQIKDVNLEVTAKPVPLNSGVRFQVYVEVSKHKINVTEIPDTLREDQHR AQNVVSMSKHHVQIKDVNLEVTAKPVPLNSGVRFQVYVEVSKHKINVTEIPDTLREDQHR
c6/#1 Hou/Mmi	181 175	DKLELSFSKSRNGRRRCGPRGTNTDSPGVQ88RLVEIG8
c6/#1 Hou/Mmi	221 234	TVSPYTEIHLKKYQIFSGTSKRTVLLTGMEGIQMDEEIVEDLINIHFQRAKNGGGEVDVV
c6/#1 Hou/Nmi	221 294	RCSLGQPHIAYFEE (SEQ ID NO:7)

Figure 3



Figure 4

IFP35 c14/#1

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Figure 5

IFP35 c33/#2



GGATCCACTGCCCTCTGCTTGCGGGCTCTGCTCTGATCACCTTTGATGACCCCAAAGTGGCTGAGCAGGTGCTGCAGGTGCTGCAACAAAAGGAGCACACAACAACATGAGGAGTGCCGGCTGCGGGTGCAGGTCCAGGTGCTGCACCACCATCCAGGTGATGGTGTCCAGCCANTTGAGTGGCCGGAGCCTTTGGAGCTGCCCATGGTCACCACCATCCAGGTGATGGTGACCACCTTTGAGTGGCCGGAGGTGTTGGTCACTGGACAAGCTATGAGATCTTCTTTTGGCAANACTANGAACGGANGTGGCGATGTGACGTTCGCCAGGGAGTTCTTTGGGAAAACTAACGGATGGAGTGGCTCAGCGTTTGGCCAAATCGGCCAGTTCACAGTGCCACTGGGGTGGGCAAGTCCCTCTGAGAGTCTCTCCGTATGTGANTGGNGAGATCAGAATGCTGANATTAAGTCGCATCCAATTCCTCGCTCNGGTACTGGTGCTCANNATCCTGANATCTTGGATTGGCCCCNGANTNCATGANATCTGGNAGATTCAATTNCANAAGTCCANCCNNCNGNGCCGGAAGTANANGCCCGANANTTCNTNNCNTANGGNCAGCANNGCCTG (SEQ ID NO:10)

## Figure 6

IFP35 c51/#3



In35_Ruman CS1	<b>~</b> ~	1 MSAPLDAALHALQEEQARLKMRLWDLQQLRKELGD8PKDKVPF8VPKIPLVFRGHTQQDP 1 Hebrie - Frank Fran
331fn In35_Ruman CS1	ਜਜ਼ੂਜ ਅ	1
331fn In35_Human CS1	121 124	37 VTTIQVSSQLSGRRVLVTGFPASLRLSEBELLDKLEIFFGKTRNGGGDVDVRELLPGS 121 VTTIQVSSQLSGRRVLVTGFPASLRLSEBELLDKLEIFFGKTRNGGGDVDVRELLPGS 54 VTTIQVMVSSKLSGRRVLVTGFPASLRLKEBELLDKL*DLLWQXXXRKWRC
331fn In35_Human C51	95 119 104	95 VOLGFARDGVAQRLCQIGQVESATGWASSFSESISVGENGDPEG
331£n In35_Human C51	177 127 127 127 127 127 127 127 127 127	139 (SEQ ID NO:11) 239 PDILDGPELHDVLEIHFQRPTRGGGGRGPDSRTPRTAGPSSLEL (SEQ ID NO:12) 156 *VASNSSLITWCSXS*XLGLRPXXHXSGRPNXXSPIXXGRXXPXXSXXXXSXX (SEQ ID NO:13)

Figure 7



Abp2	1	RLRNGHVGISFVPKETGEHLVHVKKNGQHVASSPIPVVISQSEIGDASRVRVSGQGLHEG
C50	1	<i>,</i> , , , , , , , , , , , , , , , , , ,
C57	1	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
		•
Abp2	61	HTFEPAEFIIDTRDAGYGGLSLSIEGPSKVDINTEDLEDGTCRVTYCPTEPGNYIINIKF
C50	1	
C57	1	
	_	
Abp2	121	ADQHVPGSPFSVKVTGEGRVKESITRRRAPSVANVGSHCDLSLKIPEISIODMTAOVTS
C5 0	1	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
C57	18	ADQHVPGSPFSVKVTGEGRVKESITRRRAPSVANVGSHCDLSLKIPEISIODMTAOVTS
Abp2	181	PSGKTHEAEIVEGENHTYCIRFVPAEMGTHTVSVKYKGOHVPGSPFOFTVGPLGEGGAHK
C5 0	1	
C57	78	PSGKTHEAEIVEGENHTYCIRFVPAEMGTHTVSVKYKGQHVPGSPFQFTVGPLGEGGAHX
<b>43</b> /		r box man and
Abp2	241	VRAGGPGLER EMGVPREFS. EWTREAGAGGLAWAVEGPSKAEISFEDREDGSCGWAYWW
C50		
C57	138	VRAGGPGLXXS*SWSASRIQYEGPGKLVLEXWPELSXAPAXLXSLLRTARTAPVVELMEV
C3,		
Abp 2	300	QEPGDYEVSVKFNEEHIPDSPFVVPVASPSGDARRLTVSSLQESGLKVNQPASFAVSLNG
C50	1	
C57	197	XDESD*XNPXQVSTKEHX
Abp2	360	AKGAIDAKVESPSGALEECYVTEIDODKYAVRFIPRENGVYLIDVKFNGTHIPGSPPKIR
C50	1	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
C57	214	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
Abp 2	420	VGEPGEGGDPGLVSAYGAGLEG.GVTGNPAEFVVNTSNAGAGALSVTIDGPSKVKMDCQE
C50	1	HEGRGVTGNPAEFVVNTSNAGAGALSVTIDGPSKVKMDCQE
C57	214	
		•
Abp2	479	CPEGYRVTYTPMAPGSYLISIKYGGPYHIGGSPFKAKVTGPRLVSNHSLHETSSVFVDSL
C50	42	CPEGYRVTYTPMAPGSYLISIKYGGPYHIGGSPFKAKVTGPRLVSNHSLHETSSVFVDSL
C57	214	
Abp2	539	TKATCAPOHGAPGPGPADASKVVAKGLGLSKAYVGOKSSFTVDCSKAGNNMLLVGVHGPR
C50	102	TKATCAPHHGAPGPGPADASKVVAKGLGLSKAYV <mark>CH</mark> KSSFTVDCSKA <mark>CII</mark> MLLVGVHGP <mark>W</mark>
C57	214	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
		(SEO ID NO.14)
Abp 2	599	TPC SILVENUGS. RUYSVSYLLEDEGS. YTLVVKWGHEHTEGSEYR VVVP (SEQ ID NO:14)
C50	162	
C57	214	(SEQ ID NO:16)
		(554 25 1111)

Figure 8